

1/12

APPROVED	FIG. 1	CLASS	SUBCLASS
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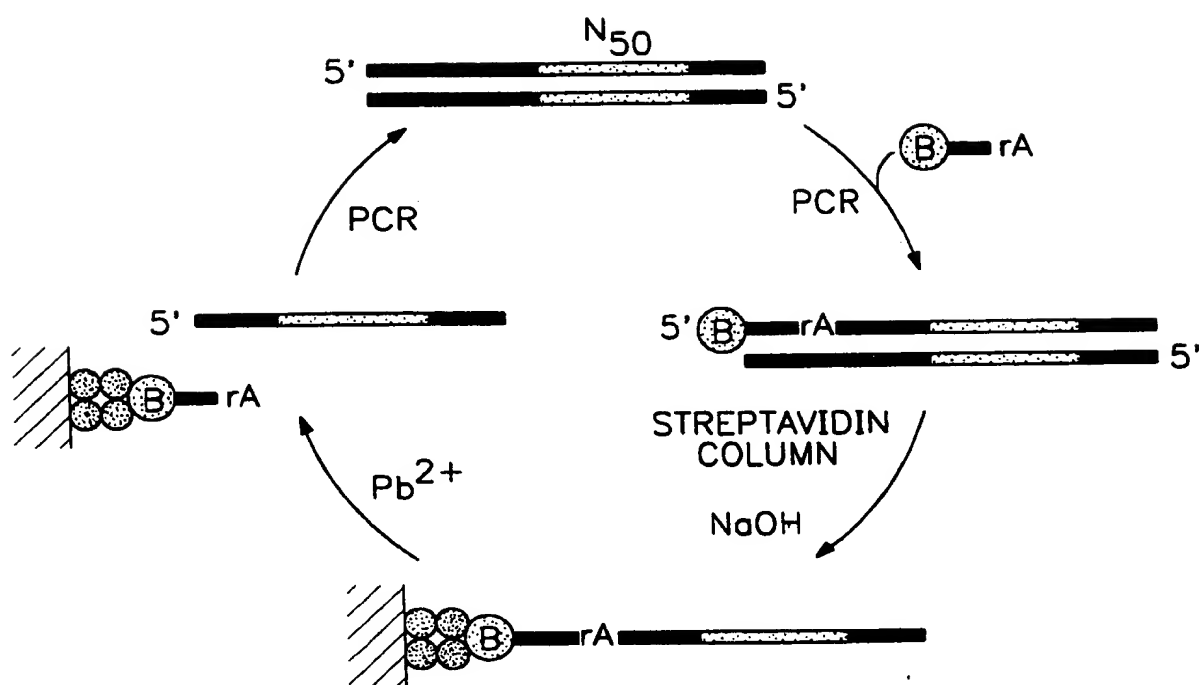


FIG. 1

2/12

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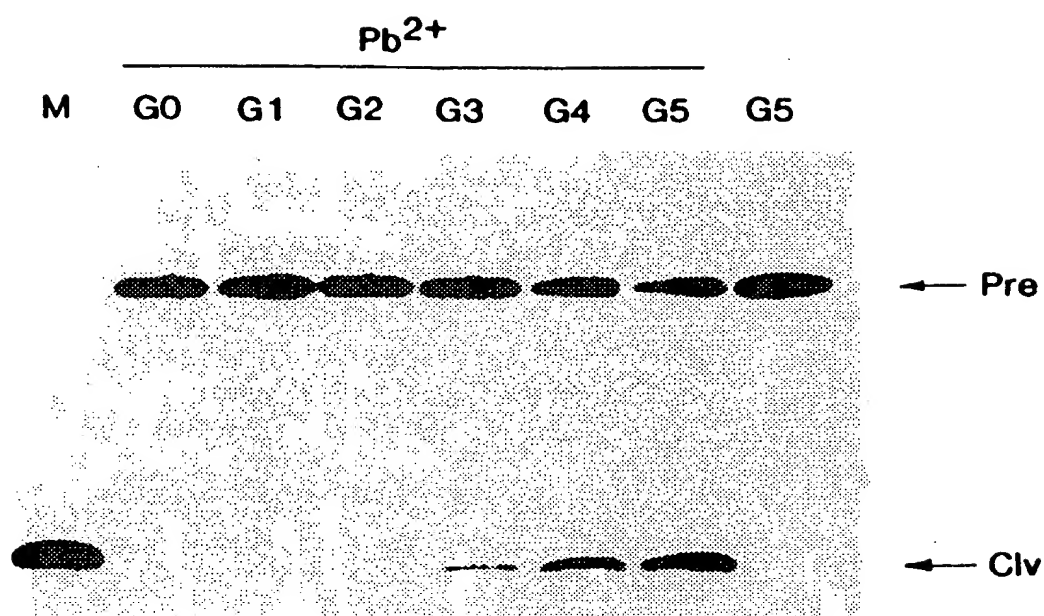


FIG. 2

3/12

TARGET  
RIBODENYLATE

substrate: 3'-CAGCGGTAGAGAAGG.....ATATCAGCTCAGCATATCTTAAGCAGGG-5'  
|||||||

SEQ. ID NO. # of clones

14	8	5'-TCACA	CACTCT	GAAGT	AGCG	CCGC	CG-	TAT-GTGA--CGCTA	GGGGTGGCCT-3'
15	3	5'-GGGGGAACGCCGTAACA	G-CTCT	GAAGT	AGCG	GTTG	CGA	TATAGT---CGTA-3'	
16	2	5'-CGGACTCGTAGCCCA	TTGCTTTTT--	GC	AGCG	TCAA	CGA	-ATAG-----CGTATTA-3'	
17	2	5'-CCACCA	TGTCTTCTC-	G	AGCCG	AAC	CG-	-ATAGTTA--CGTCAT	ACCTCCGTAT-3'
18	1	5'-GCCAGA	TTGCTG-CT--	ACC	AGCG	GTA	CGA	AATAGTGAA--GTGT	CGTGACTAT-3'
19	1	5'-ATAG	GCCATGCTTT	GGCT	AGCG	GCAC	CG-	TATAGTG-----TA	CCTGCCCTTATCG-3'
20	1	5'-TCTGCTCTC	CTCTATTCT-	AGCAGTGC	AGCG	AAATATGT	CGA	-ATAGT---CG-GT-3'	
21	1	5'-TTGCCCGAGCATA	GTCGGCA-----	GACGIGGTGT	AGCG	ACA	CG-	-ATAG-G-CCCG-GT-3'	
22	1	5'-TTGCTAGCTCGACTGA	ACTTCT	GT	AGCG	CAAC	CGA	AATAGTGAG--GC-TTG	A-3'

BASE-PAIR-FORMING  
REGIONS (INDIVIDUALLY  
BOXED SEQUENCES)

( CONSERVED  
REGIONS

BASE-PAIR-FORMING  
REGIONS (INDIVIDUALLY  
BOXED SEQUENCES)

FIG. 3

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57	1955	SUSCLASS
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5/12

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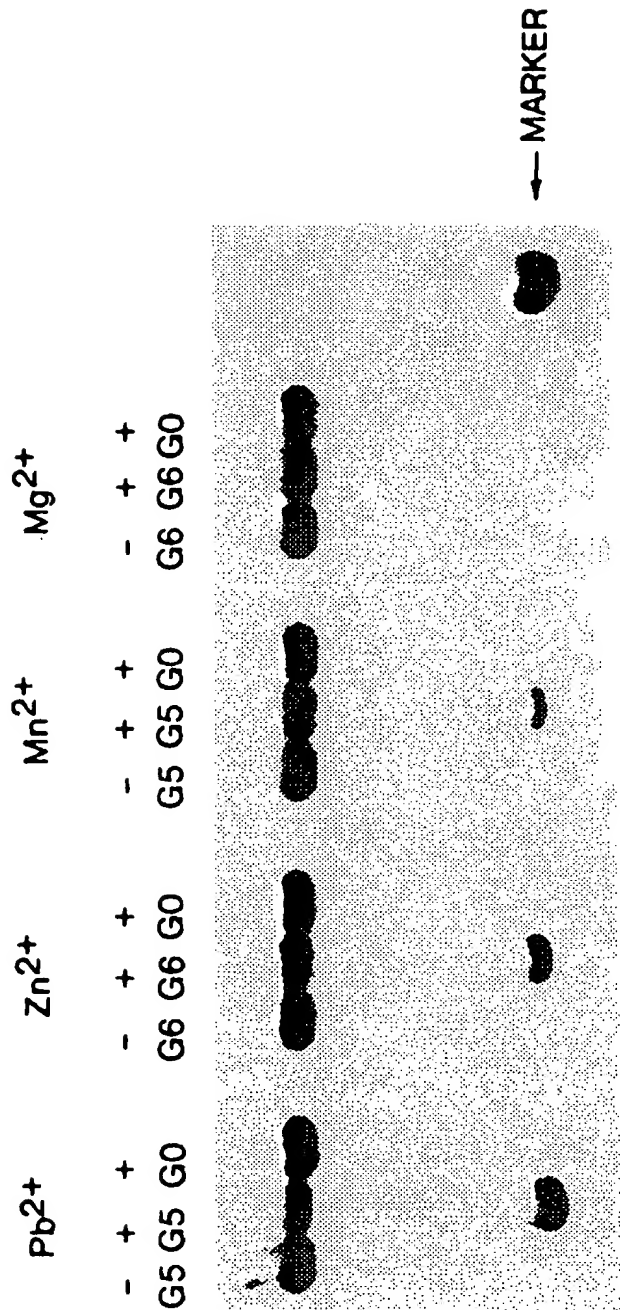


FIG. 5

6/12

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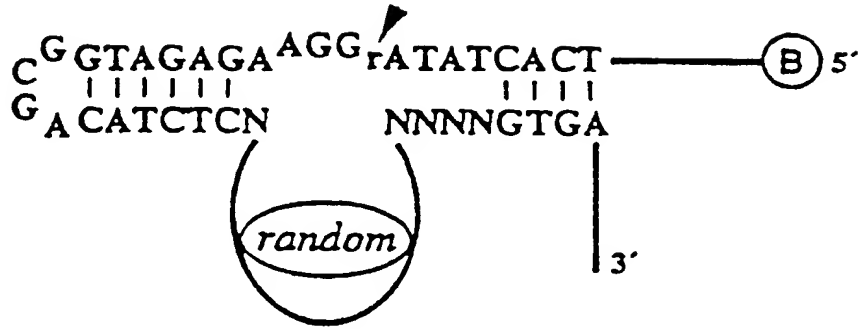


FIG. 6A

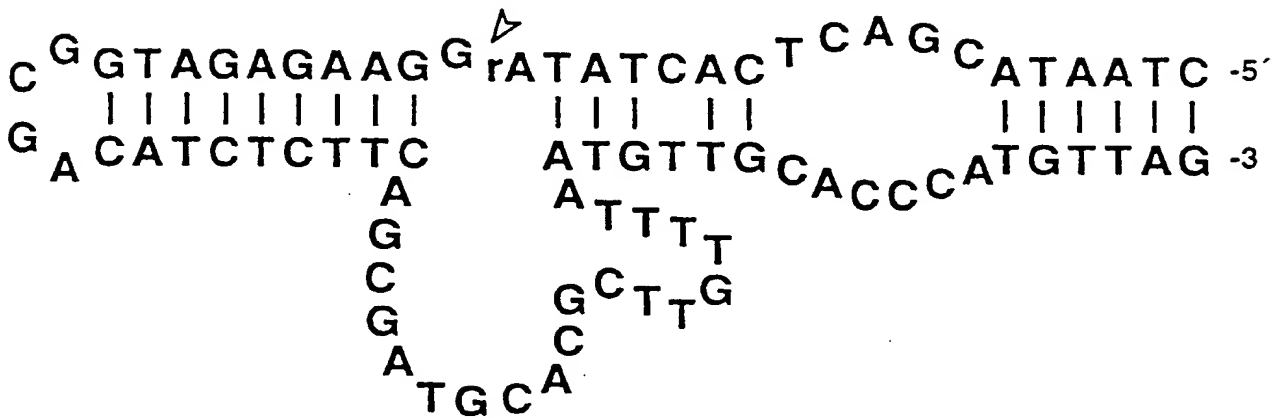
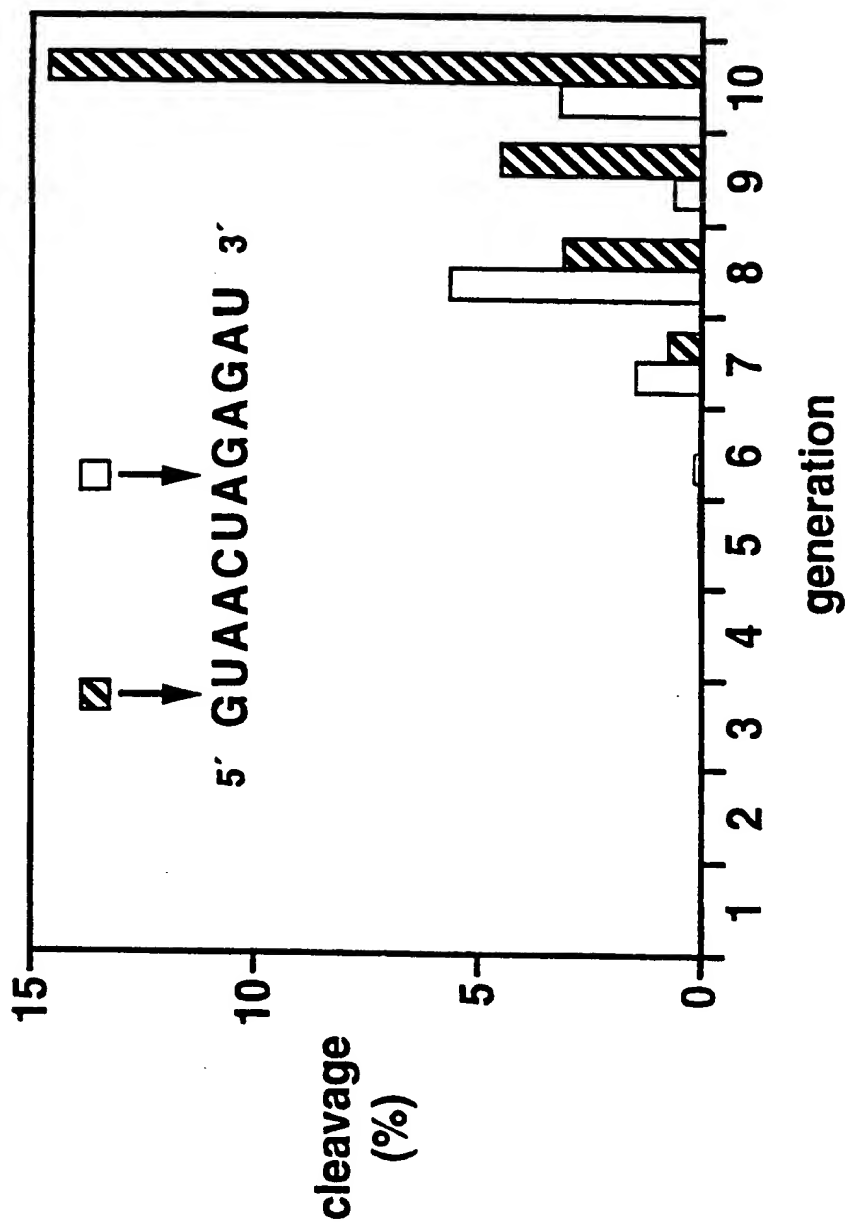


FIG. 6B

7/12

APPROVED	FIG. 7
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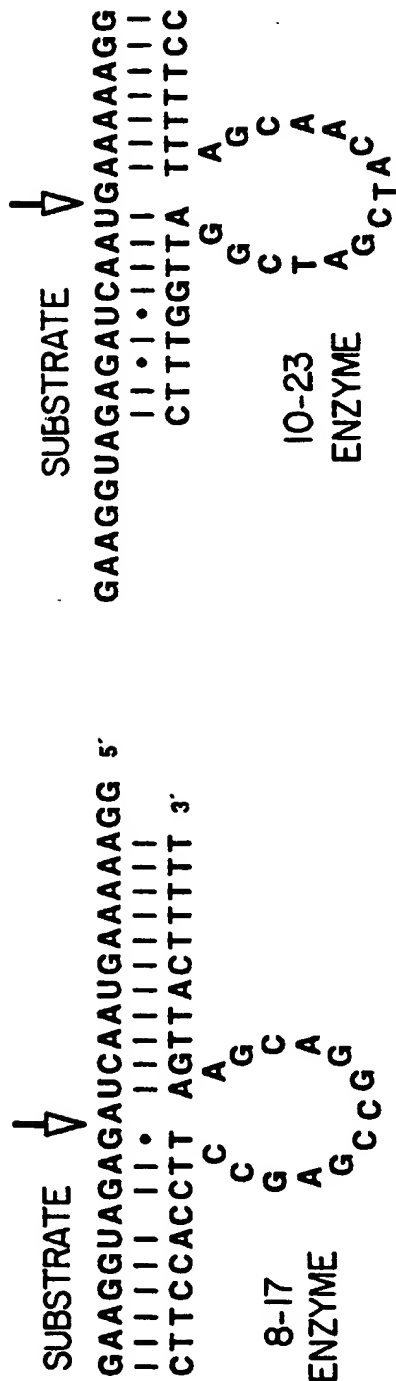


10 mM Mg<sup>2+</sup>, pH 7.5, 37 °C, 2 h

FIG. 7

8/12

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**turnover  $\approx 1 \text{ hr}^{-1}$**

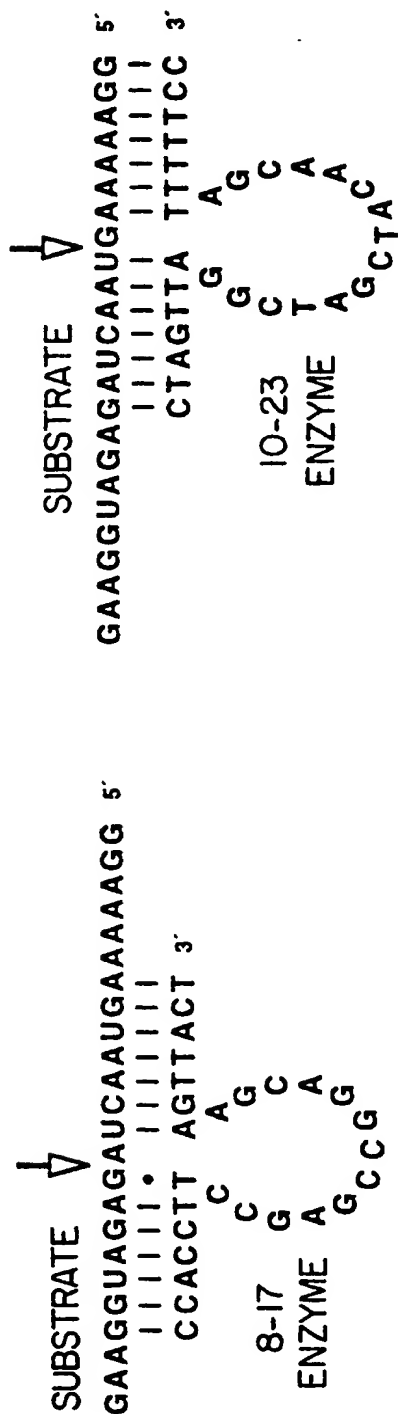
**turnover  $\approx 0.6 \text{ hr}^{-1}$**

**10 mM Mg<sup>2+</sup>, pH 7.5, 37 °C**

8  
G  
L



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$k_{obs} \approx 0.01 \text{ min}^{-1}$

$k_{obs} \approx 0.002 \text{ min}^{-1}$

10 mM  $\text{Mg}^{2+}$ , pH 7.5, 37 °C

FIG. 9

10/12

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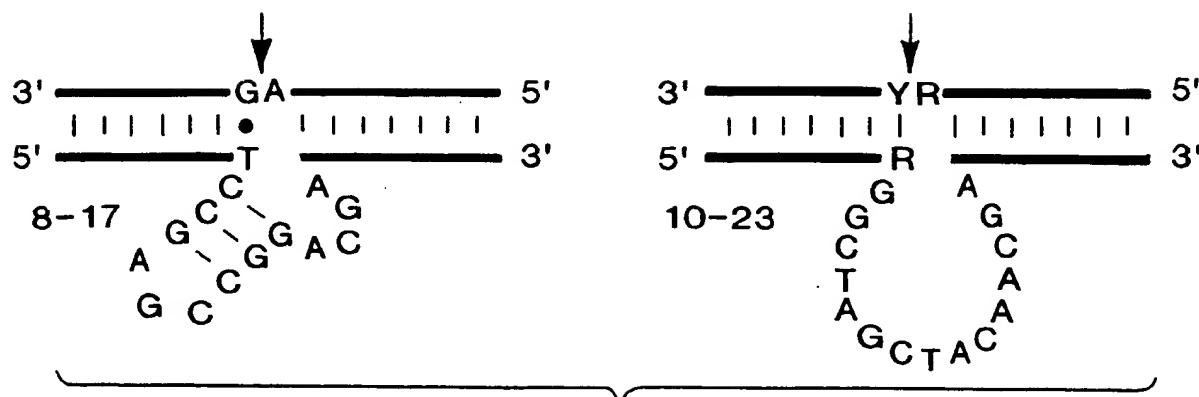


FIG. 10

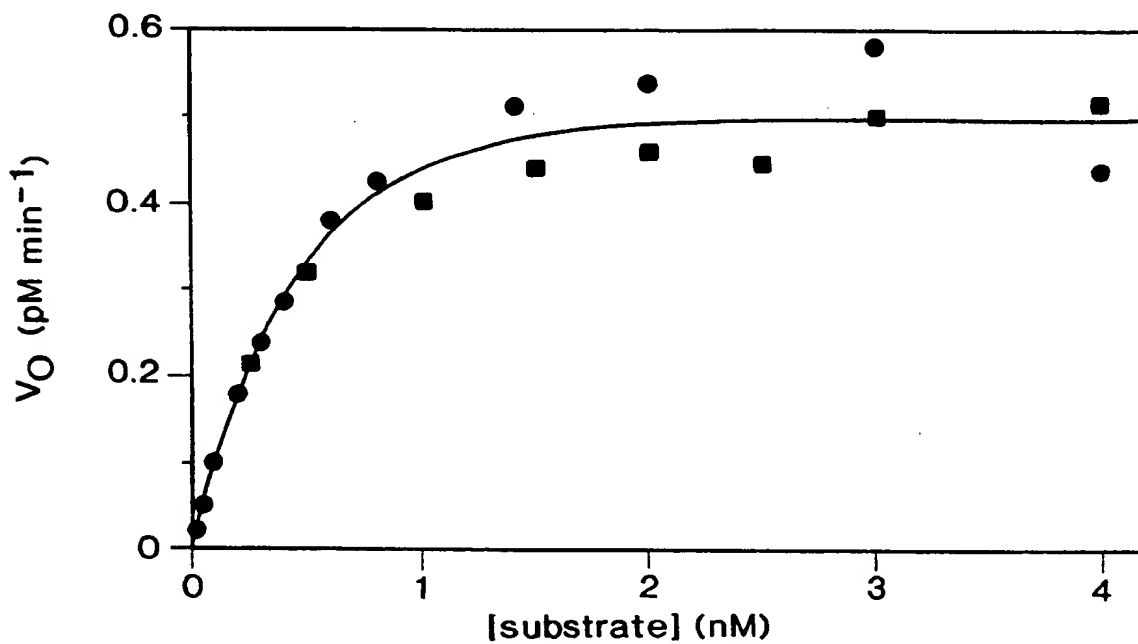


FIG. 11

11/12

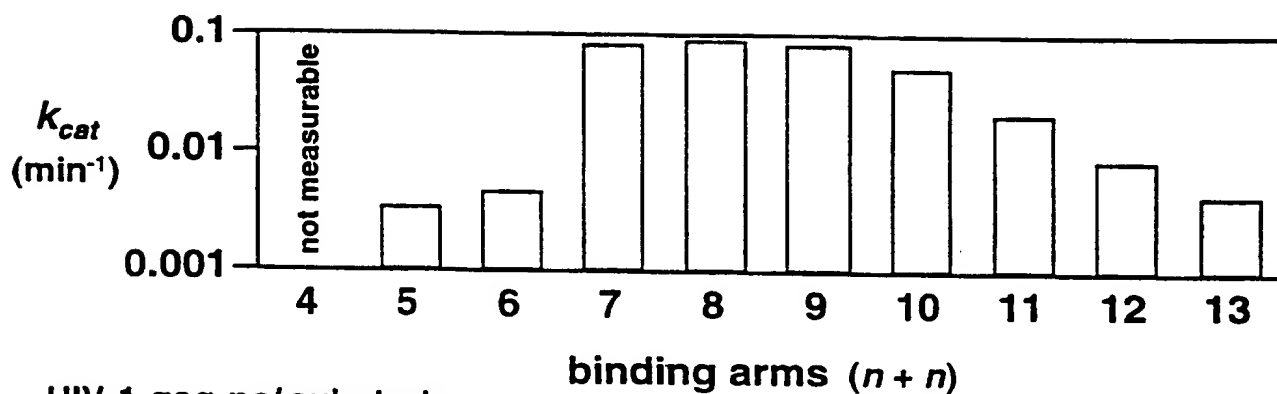


FIG. 12A

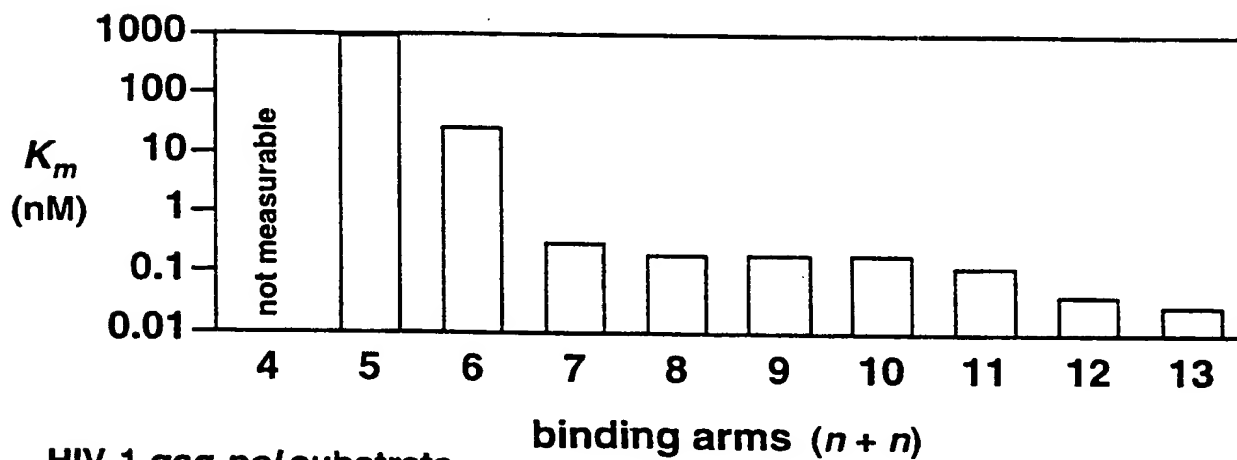


FIG. 12B

12/12

APPROVED	FIG.
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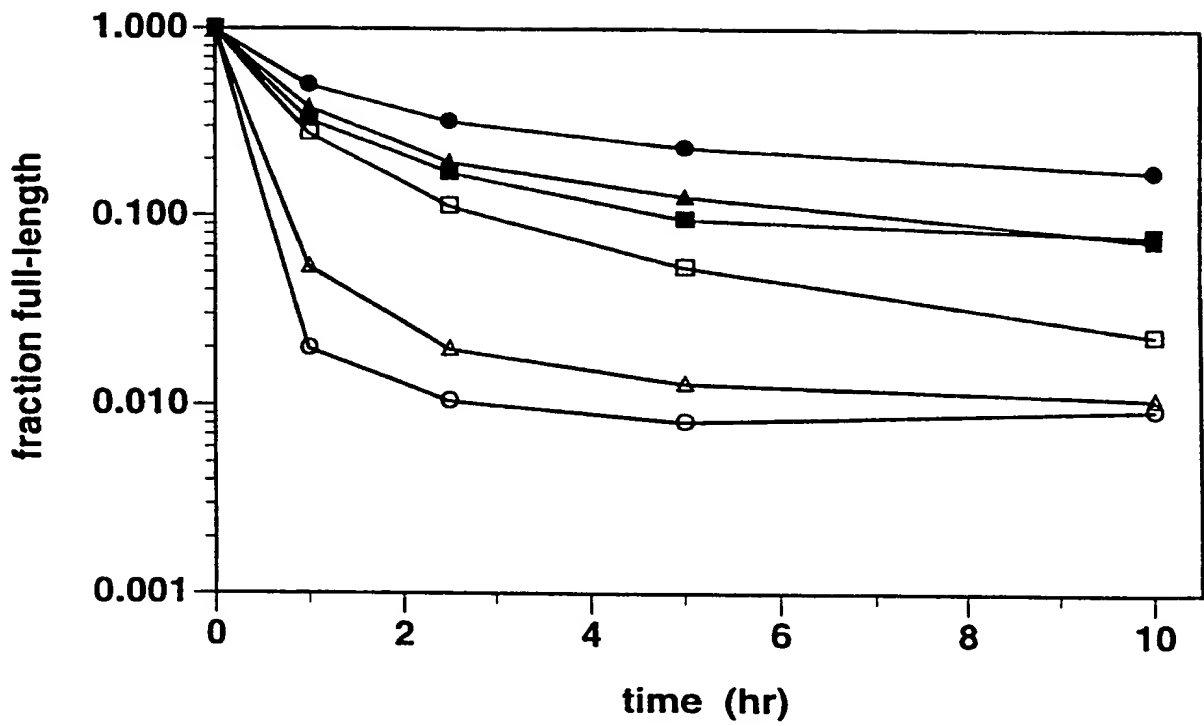


FIG. 13